

Data File : VU033087.D
Acq On : 28 Jun 2019 21:56
Operator : JC/SP
Sample : K3597-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAM68

Quant Time: Jun 29 01:03:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 29 00:59:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	87494	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	88438	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	42745	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	37353	6.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	128.20%
7) Chloroethane-d5	1.68	69	28903	6.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	121.40%
11) 1,1-Dichloroethene-d2	2.27	63	55911	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.40%
20) 2-Butanone-d5	4.19	46	92751	52.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.92%
24) Chloroform-d	4.64	84	64318	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	5.31	65	36333	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.33	84	122184	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.60%
36) 1,2-Dichloropropane-d6	6.32	67	39589	5.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.20%
41) Toluene-d8	7.56	98	106362	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
43) trans-1,3-Dichloropropene-	7.85	79	15144	5.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.60%
46) 2-Hexanone-d5	8.31	63	59644	48.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	31436	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	45749	5.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.20%

Target Compounds

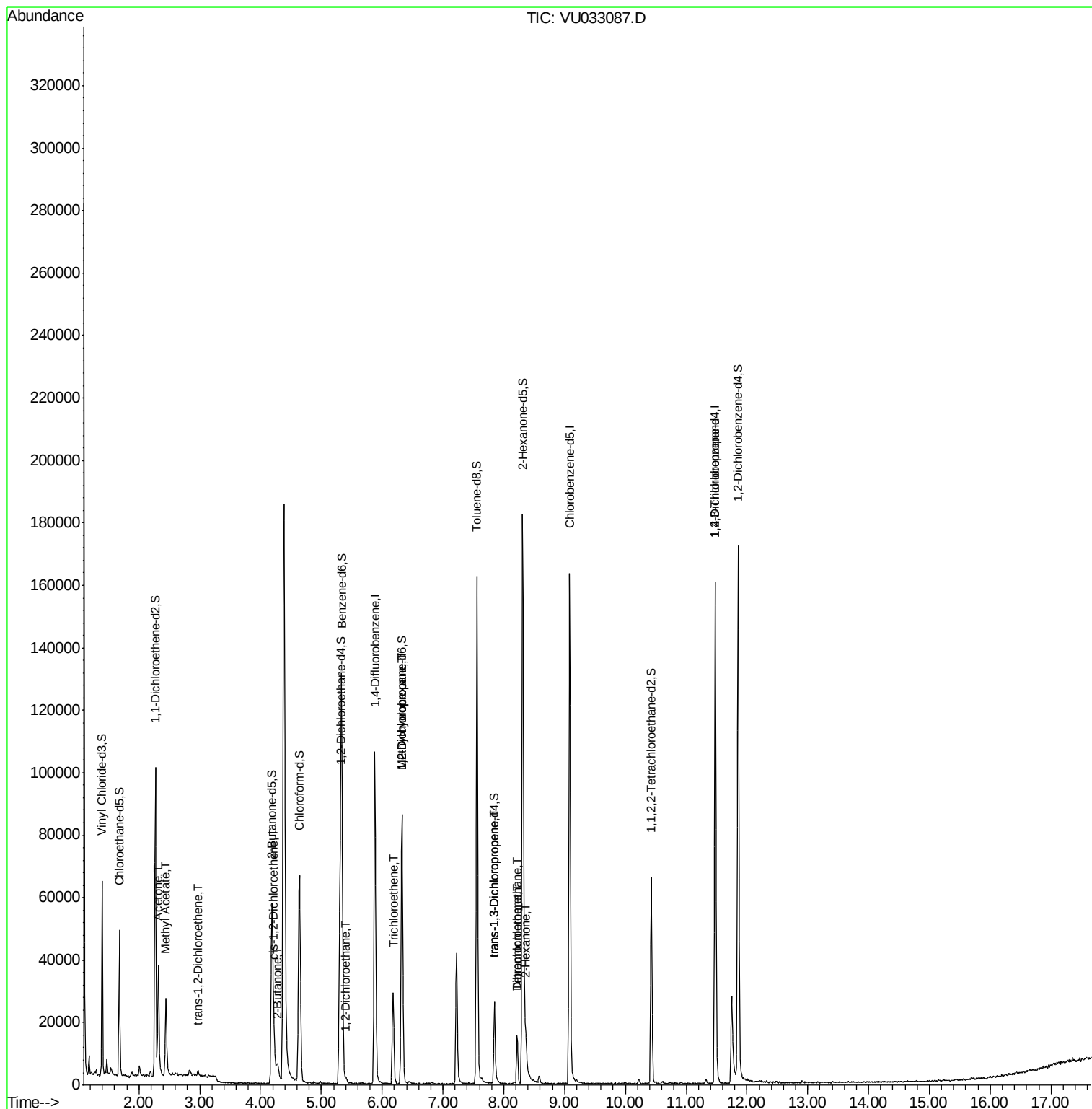
					Qvalue
13) Acetone	2.32	43	37596	25.233 ug/L	99
15) Methyl Acetate	2.44	43	6764	1.962 ug/L #	56
18) trans-1,2-Dichloroethene	2.97	96	386	0.061 ug/L	93
21) 2-Butanone	4.28	43	8741	4.168 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	2704	0.390 ug/L	97
27) 1,2-Dichloroethane	5.40	62	1368	0.157 ug/L #	79
34) Trichloroethene	6.18	95	10064	1.409 ug/L	96
35) Methylcyclohexane	6.33	83	9181	0.864 ug/L #	16
37) 1,2-Dichloropropane	6.32	63	4721	0.675 ug/L #	87
44) trans-1,3-Dichloropropene	7.85	75	667	0.080 ug/L #	56
47) Tetrachloroethene	8.22	164	3507	0.611 ug/L	91
48) 2-Hexanone	8.36	43	7015	2.034 ug/L #	82
49) Dibromochloromethane	8.22	129	3097	0.498 ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	5750	1.229 ug/L	92

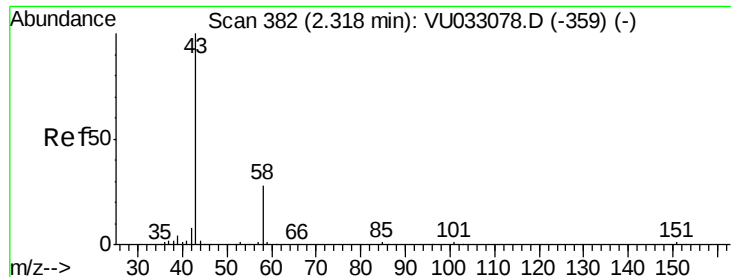
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 25.233 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU033087.D

Acq: 28 Jun 2019 21:56

Instrument :

MSVOA_U

ClientSampleId :

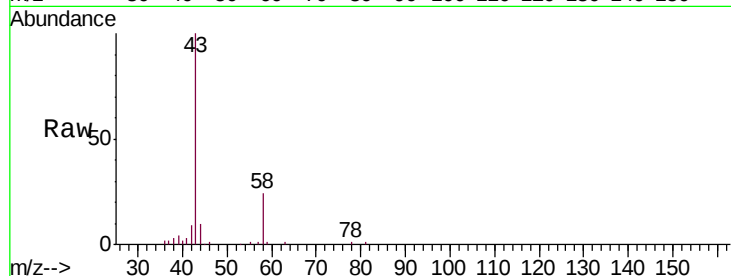
GAM68

Tgt Ion: 43 Resp: 37596

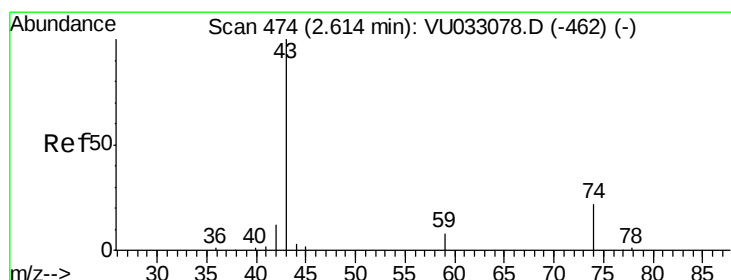
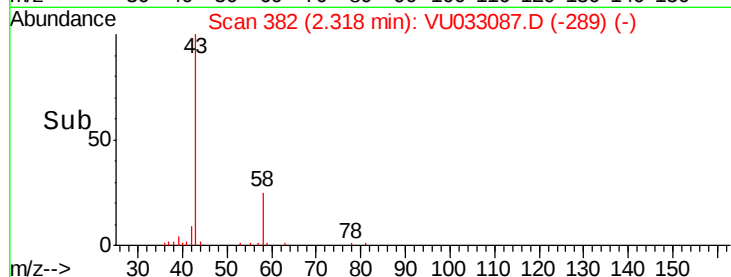
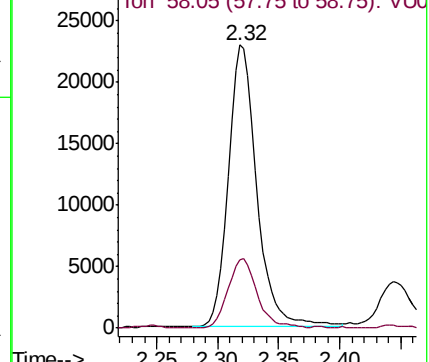
Ion Ratio Lower Upper

43 100

58 25.5 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VU033078.D (-359) (-)



#15

Methyl Acetate

Concen: 1.962 ug/L

RT: 2.44 min Scan# 421

Delta R.T. -0.17 min

Lab File: VU033087.D

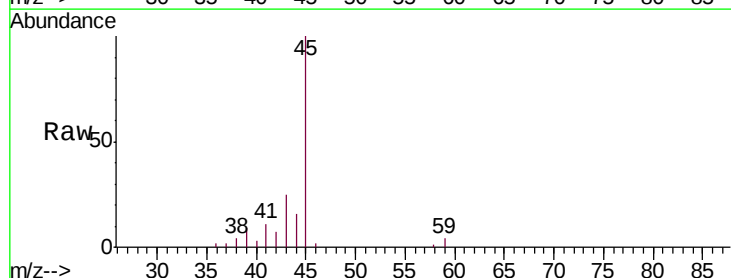
Acq: 28 Jun 2019 21:56

Tgt Ion: 43 Resp: 6764

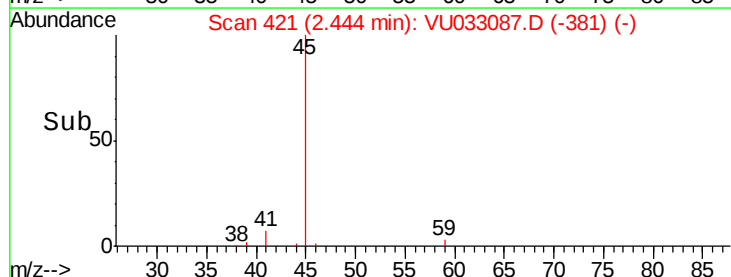
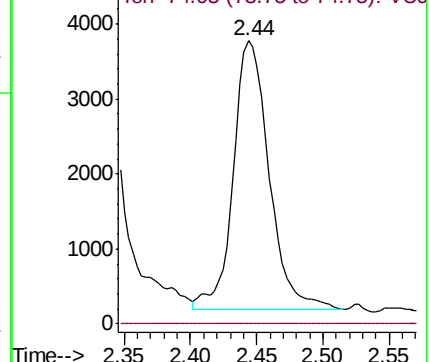
Ion Ratio Lower Upper

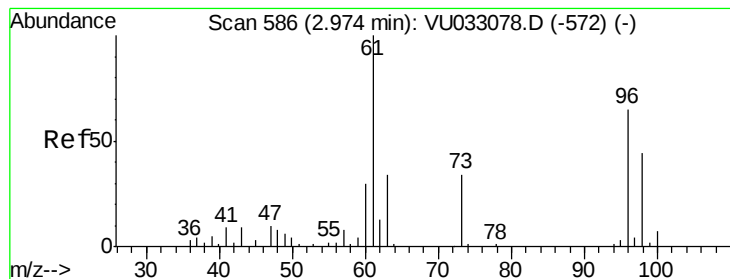
43 100

74 0.0 16.1 24.1#



Abundance Ion 43.05 (42.75 to 43.75): VU033078.D (-462) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.061 ug/L

RT: 2.97 min Scan# 585

Delta R.T. -0.00 min

Lab File: VU033087.D

Acq: 28 Jun 2019 21:56

Instrument :

MSVOA_U

ClientSampleId :

GAM68

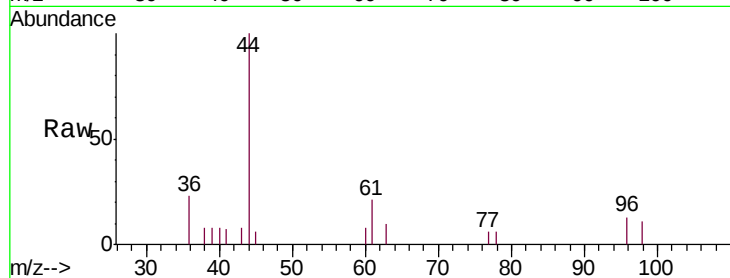
Tgt Ion: 96 Resp: 386

Ion Ratio Lower Upper

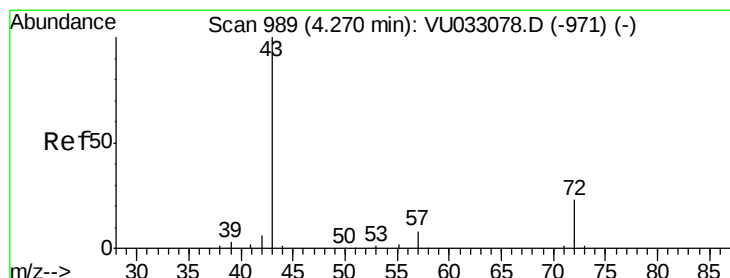
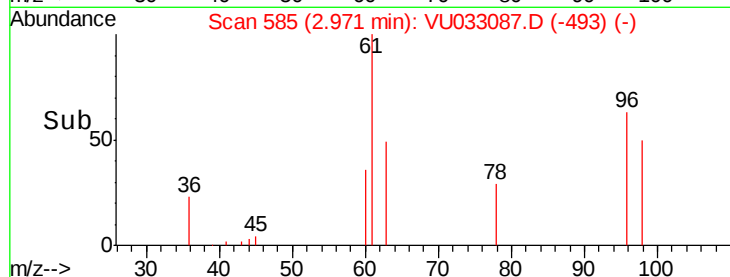
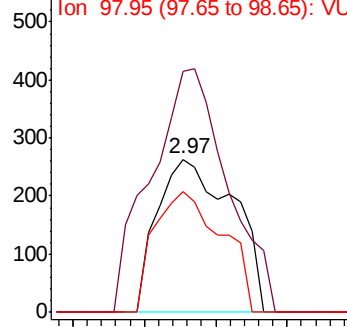
96 100

61 157.8 112.2 208.4

98 79.1 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU033078.D (-572) (-)



#21

2-Butanone

Concen: 4.168 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VU033087.D

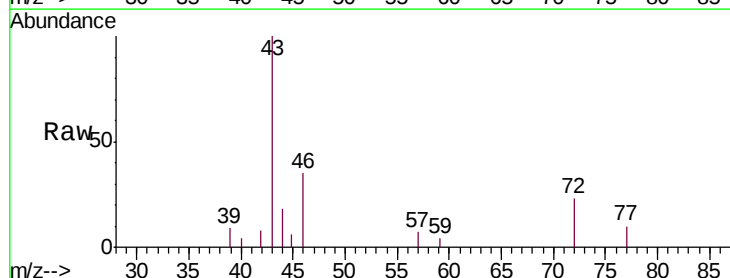
Acq: 28 Jun 2019 21:56

Tgt Ion: 43 Resp: 8741

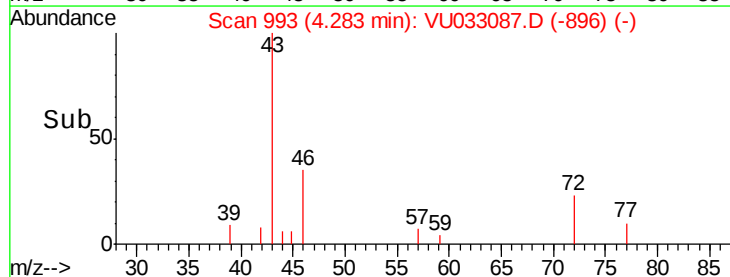
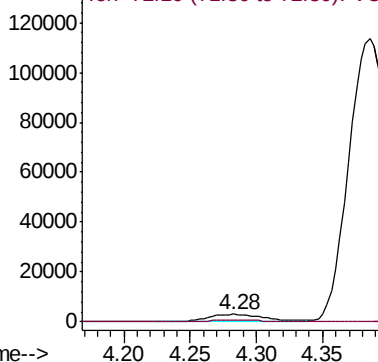
Ion Ratio Lower Upper

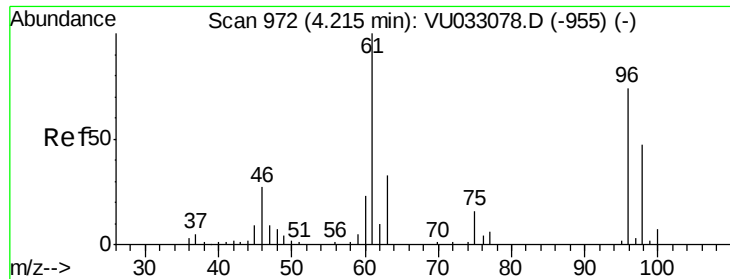
43 100

72 23.3 11.5 34.5



Abundance Ion 43.05 (42.75 to 43.75): VU033078.D (-971) (-)



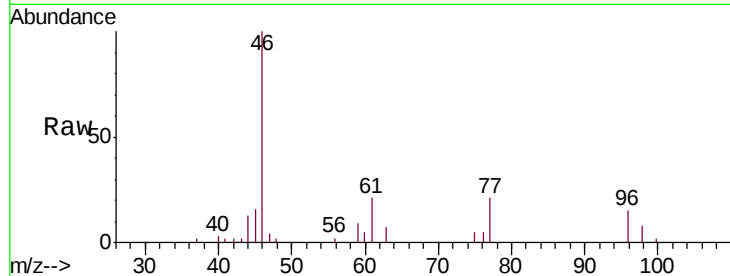


#22

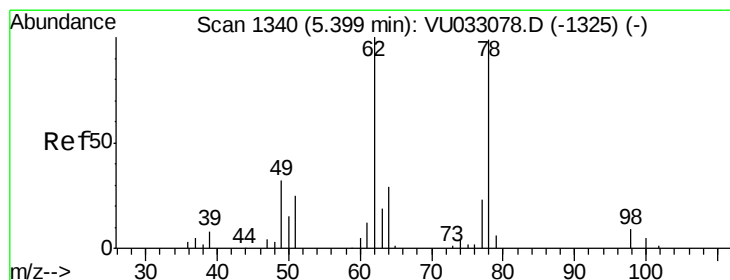
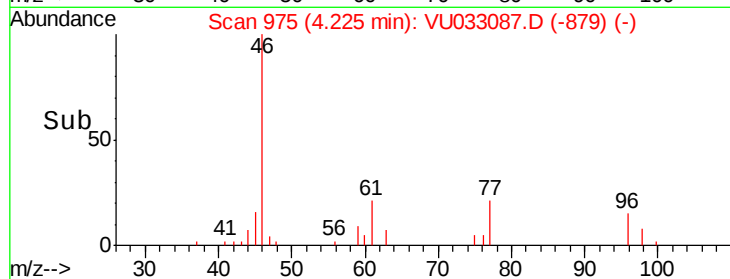
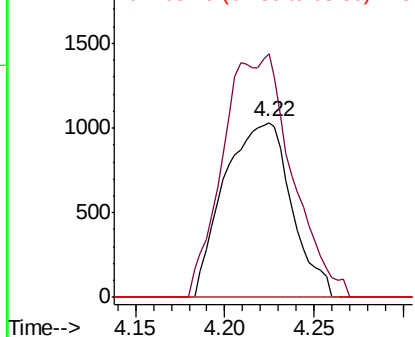
cis-1,2-Dichloroethene
 Concen: 0.390 ug/L
 RT: 4.22 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VU033087.D
 Acq: 28 Jun 2019 21:56

Instrument :
 MSVOA_U
 ClientSampleId :
 GAM68

Tgt Ion: 96 Resp: 2704
 Ion Ratio Lower Upper
 96 100
 61 139.1 94.6 175.8
 68 0.0 0.0 0.0



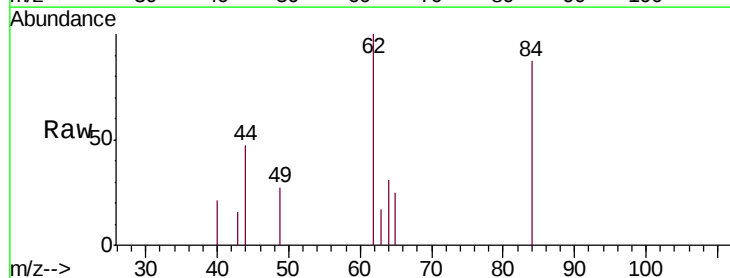
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



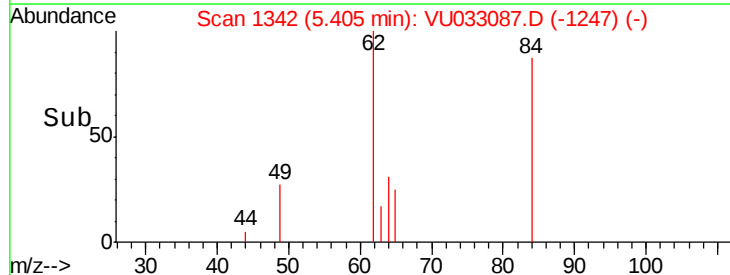
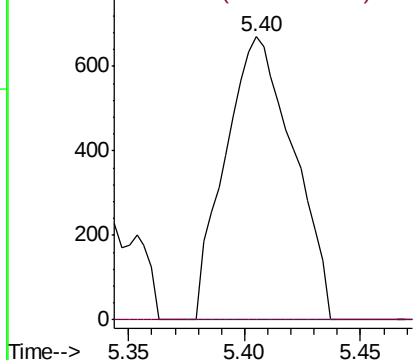
#27

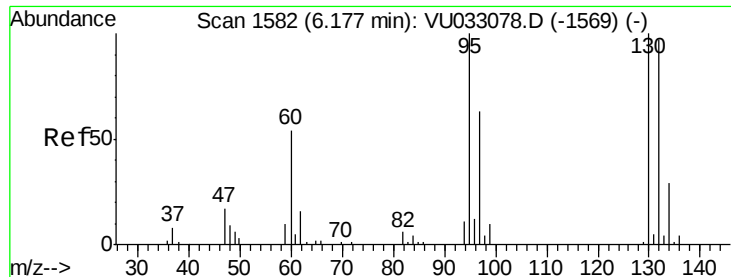
1,2-Dichloroethane
 Concen: 0.157 ug/L
 RT: 5.40 min Scan# 1342
 Delta R.T. 0.01 min
 Lab File: VU033087.D
 Acq: 28 Jun 2019 21:56

Tgt Ion: 62 Resp: 1368
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.8 8.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.05 (97.75 to 98.75): VU0





#34

Trichloroethene

Concen: 1.409 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU033087.D

Acq: 28 Jun 2019 21:56

Instrument :

MSVOA_U

ClientSampleId :

GAM68

Tgt Ion: 95 Resp: 10064

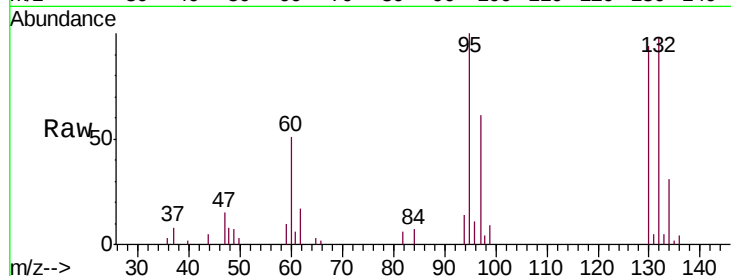
Ion Ratio Lower Upper

95 100

97 61.3 46.0 85.4

132 97.9 68.6 127.4

130 93.7 71.1 132.1

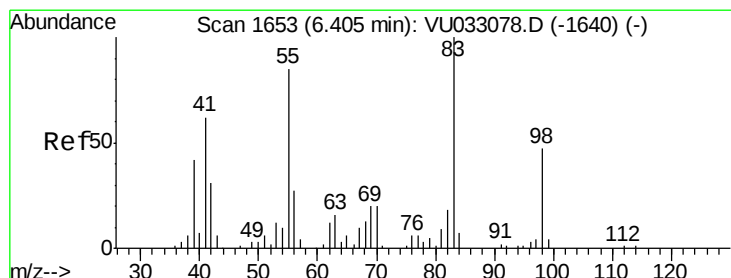
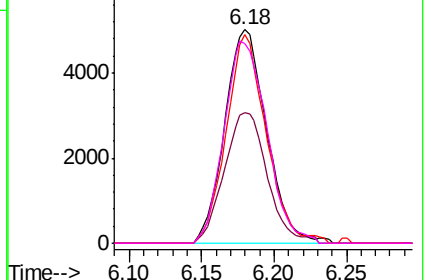
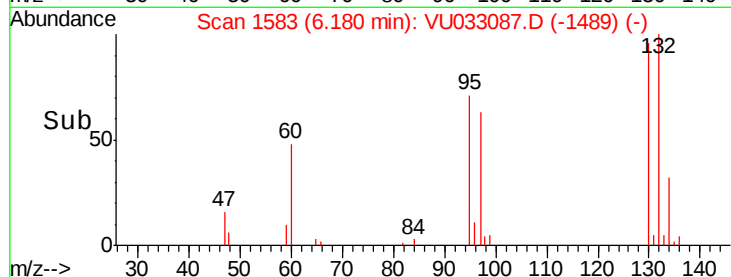


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.864 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU033087.D

Acq: 28 Jun 2019 21:56

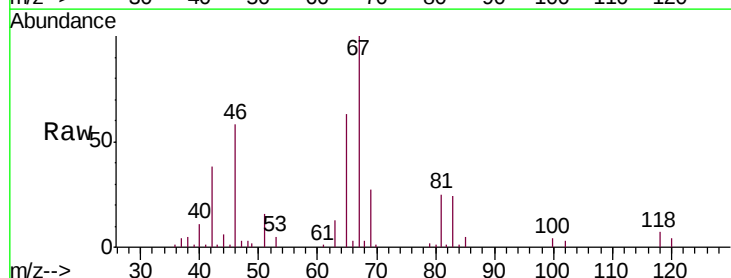
Tgt Ion: 83 Resp: 9181

Ion Ratio Lower Upper

83 100

55 0.0 67.0 100.4#

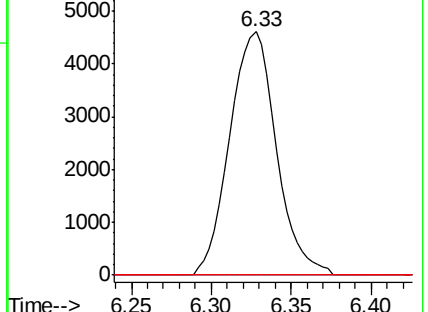
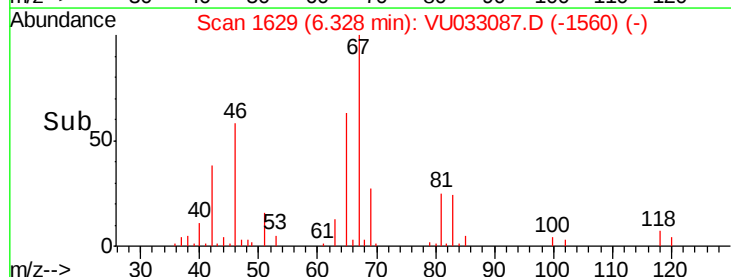
98 1.2 37.7 56.5#

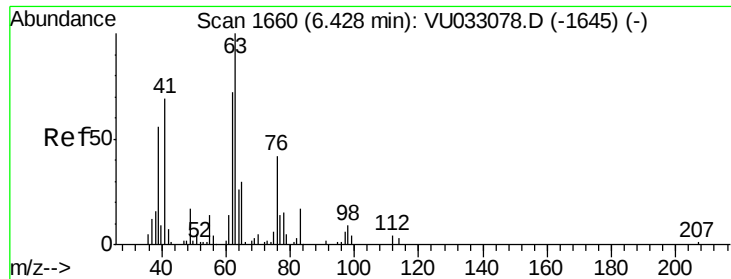


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.675 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU033087.D

Acq: 28 Jun 2019 21:56

Instrument :

MSVOA_U

ClientSampleId :

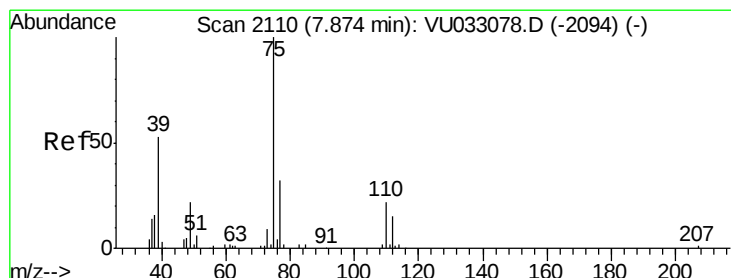
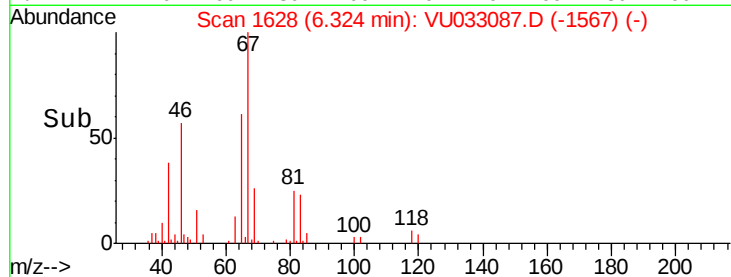
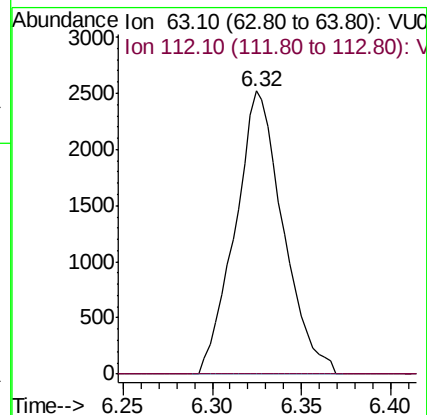
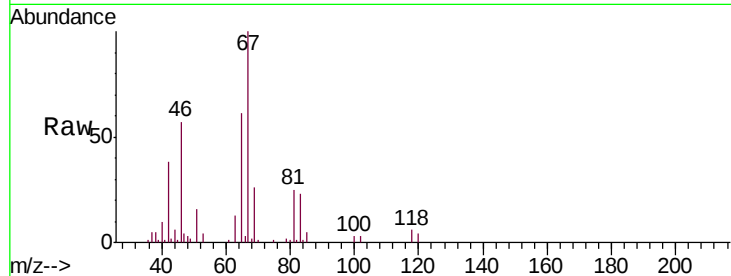
GAM68

Tgt Ion: 63 Resp: 4721

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.02 min

Lab File: VU033087.D

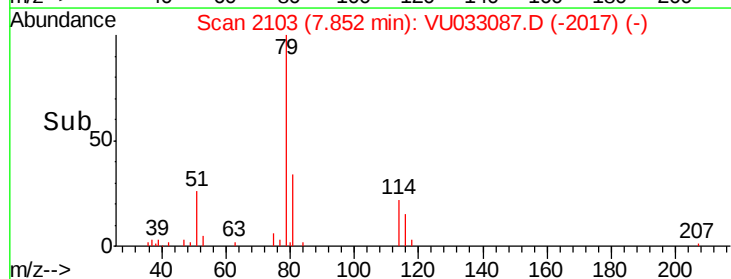
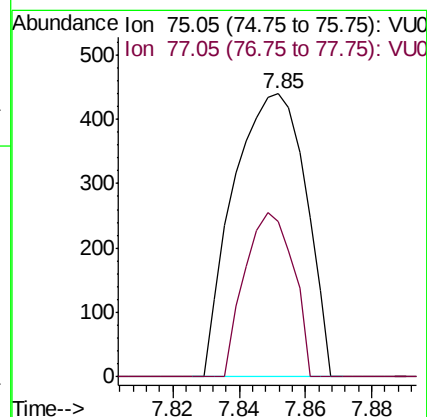
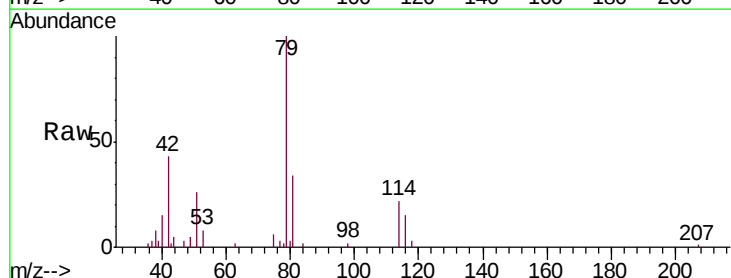
Acq: 28 Jun 2019 21:56

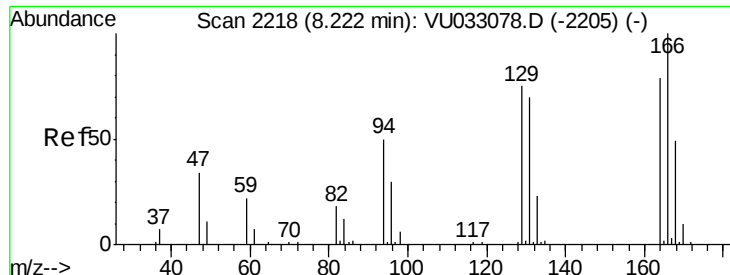
Tgt Ion: 75 Resp: 667

Ion Ratio Lower Upper

75 100

77 54.9 21.6 40.2#





#47

Tetrachloroethene

Concen: 0.611 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.00 min

Lab File: VU033087.D

Acq: 28 Jun 2019 21:56

Instrument :

MSVOA_U

ClientSampleId :

GAM68

Tgt Ion:164 Resp: 3507

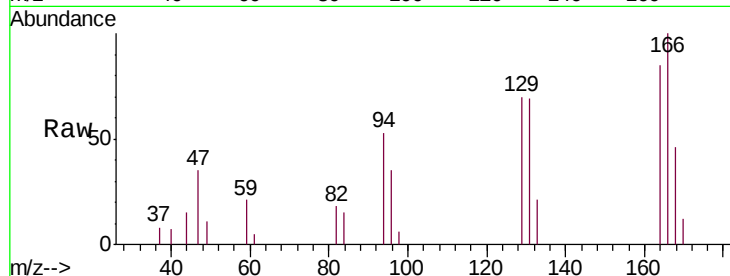
Ion Ratio Lower Upper

164 100

129 82.9 64.9 120.5

131 81.8 63.5 117.9

166 118.2 89.1 165.5

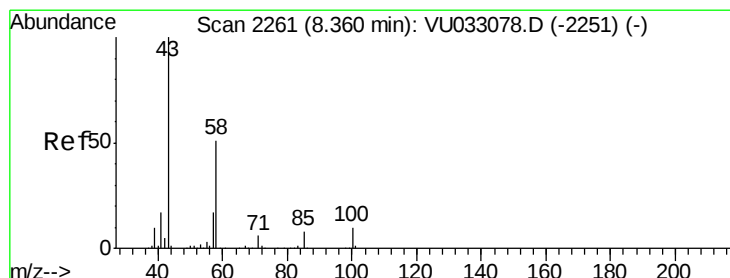
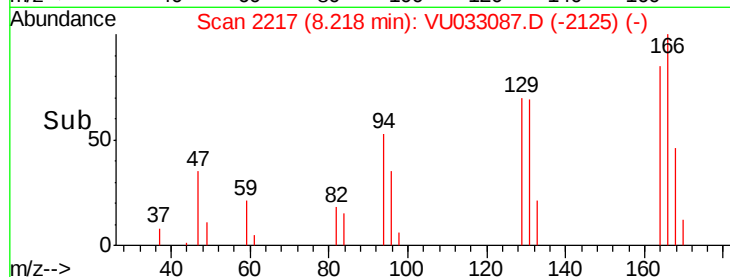
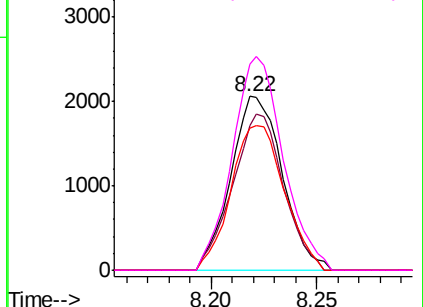


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.034 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VU033087.D

Acq: 28 Jun 2019 21:56

Tgt Ion: 43 Resp: 7015

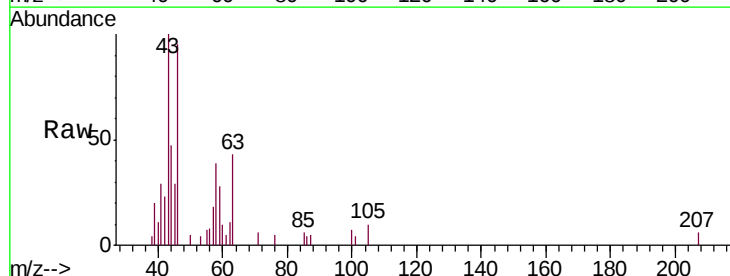
Ion Ratio Lower Upper

43 100

58 38.9 40.0 60.0#

57 5.2 14.0 21.0#

100 5.7 7.9 11.9#

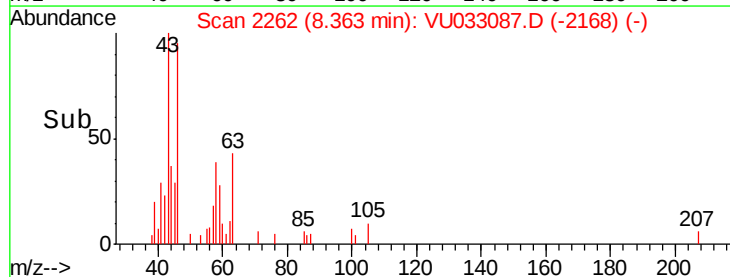
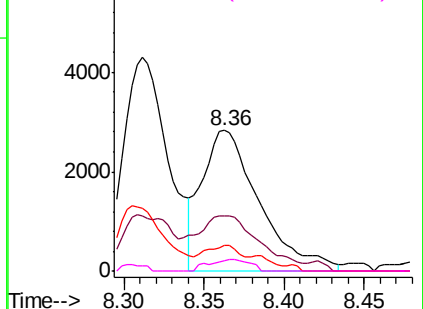


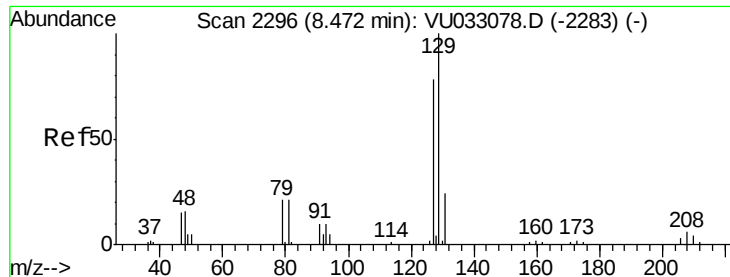
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.498 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU033087.D

Acq: 28 Jun 2019 21:56

Instrument :

MSVOA_U

ClientSampled :

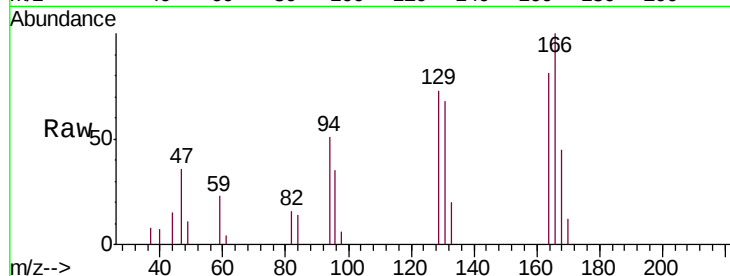
GAM68

Tgt Ion:129 Resp: 3097

Ion Ratio Lower Upper

129 100

127 0.0 54.0 100.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

2000

1500

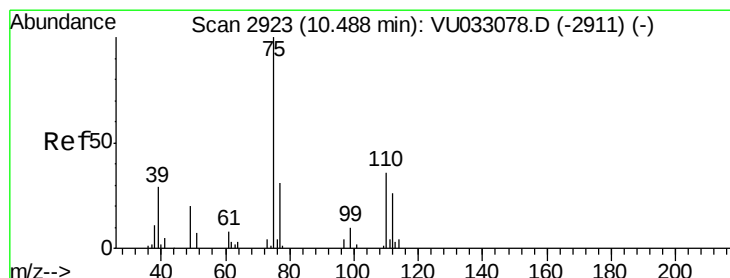
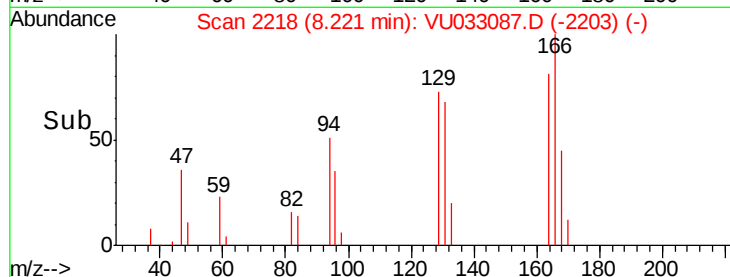
1000

500

0

8.20 8.25

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.229 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU033087.D

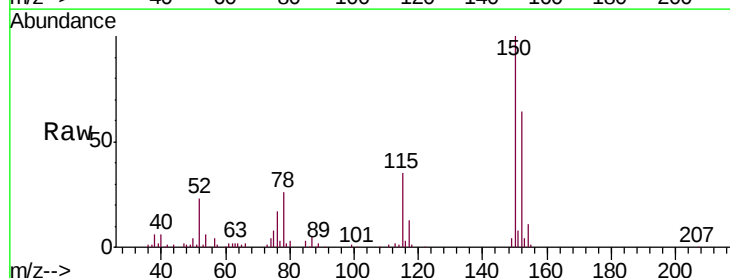
Acq: 28 Jun 2019 21:56

Tgt Ion: 75 Resp: 5750

Ion Ratio Lower Upper

75 100

77 36.4 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

4000

3000

2000

1000

0

11.45 11.50 11.55

Time-->

